

FIG.1

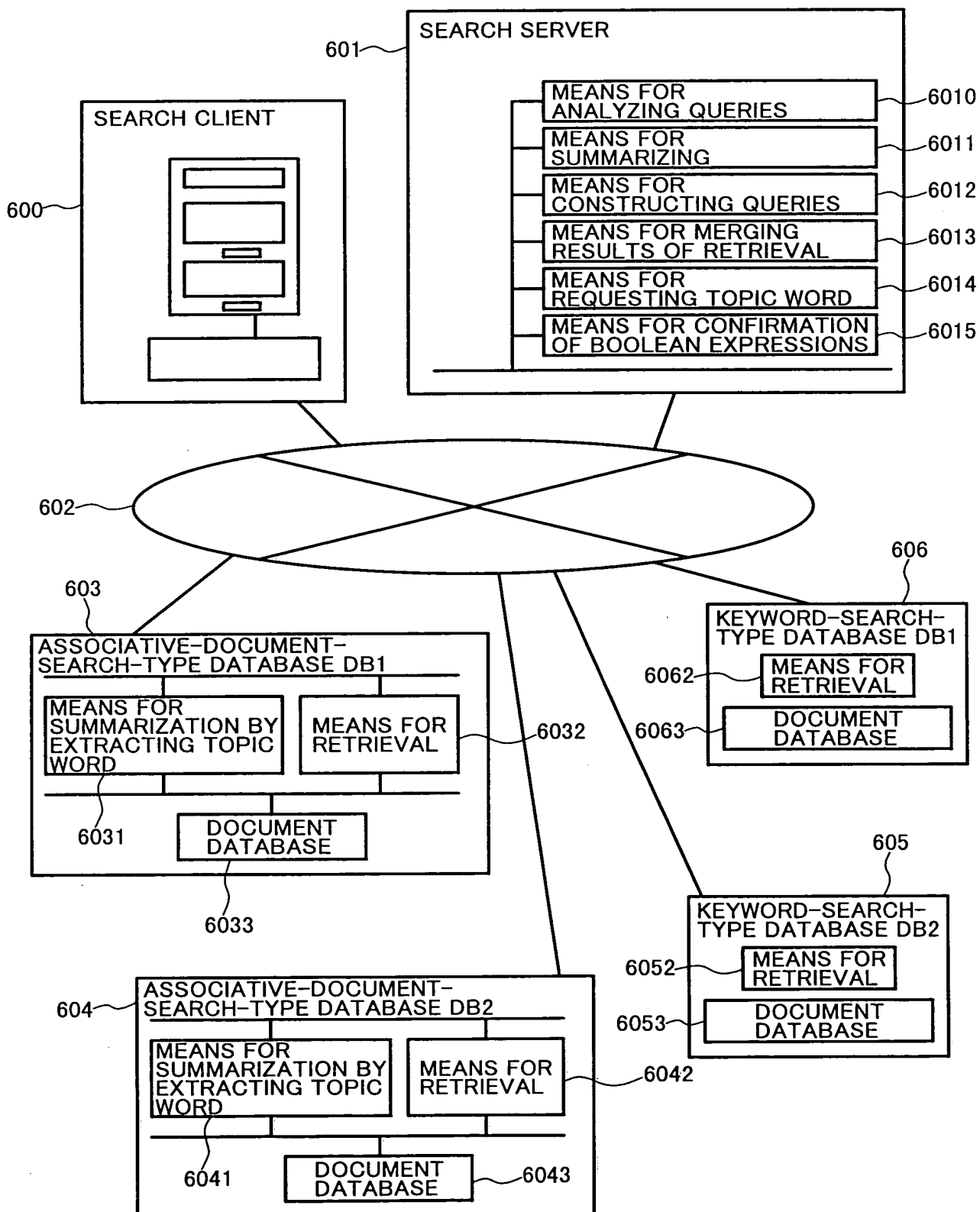


FIG.2

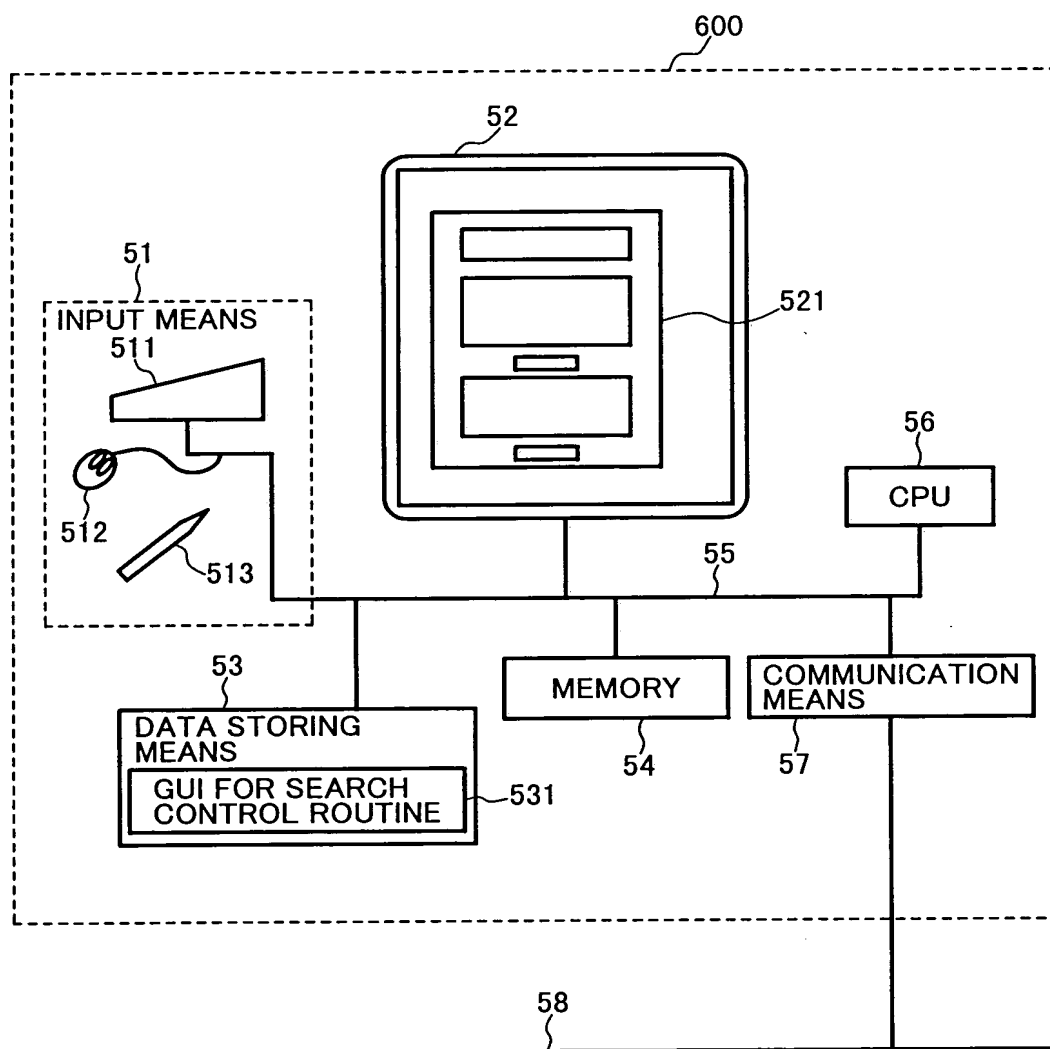


FIG.3

The interface is divided into several sections, each with a 'HIDE' button and a search button. The sections are as follows:

- Section 11:** Contains a text input field labeled 'KEYWORD 1' (1101) and two buttons: 'KEYWORD SEARCH' (1102) and 'CLIPBOARD SEARCH' (1103).
- Section 1201:** Starts with a 'HIDE' button (1201). It contains a list of search sources:
 - ☒ A NEWSPAPER (1203) with an 'ASSOCIATIVE' button (1206).
 - ☐ B ENCYCLOPEDIA (1202) with an 'ASSOCIATIVE' button (1204).
 - ☒ C ARTICLE (1205) with an 'ASSOCIATIVE' button.
 - ☒ D PATENT DATABASE (1205) with an 'ASSOCIATIVE' button.
 - ☐ E SEARCH ENGINE (1205) with a 'KEYWORD' button.
 - ☒ F SEARCH ENGINE (1205) with a 'KEYWORD' button.
- Section 1301:** Starts with a 'HIDE' button (1301). It contains a list of materials:
 - ☐ A NEWSPAPER : MATERIAL 2
 - ☐ D PATENT DB : MATERIAL 3
 - ☐ E SEARCH ENGINE : MATERIAL 4
 - ☐ A NEWSPAPER : MATERIAL 5
 - ☐ F SEARCH ENGINE : MATERIAL 6
- Section 1303:** Contains a 'DOCUMENT SEARCH' button (1306).
- Section 1401:** Starts with a 'HIDE' button (1401). It contains two rows of word input fields:
 - WORD1, WORD2, WORD3, WORD4, WORD5
 - WORD6, WORD7, WORD8, WORD9, WORD10
- Section 1402:** Contains a 'SEARCH USING TOPIC WORDS AS A QUERY' button (1405).

FIG.4

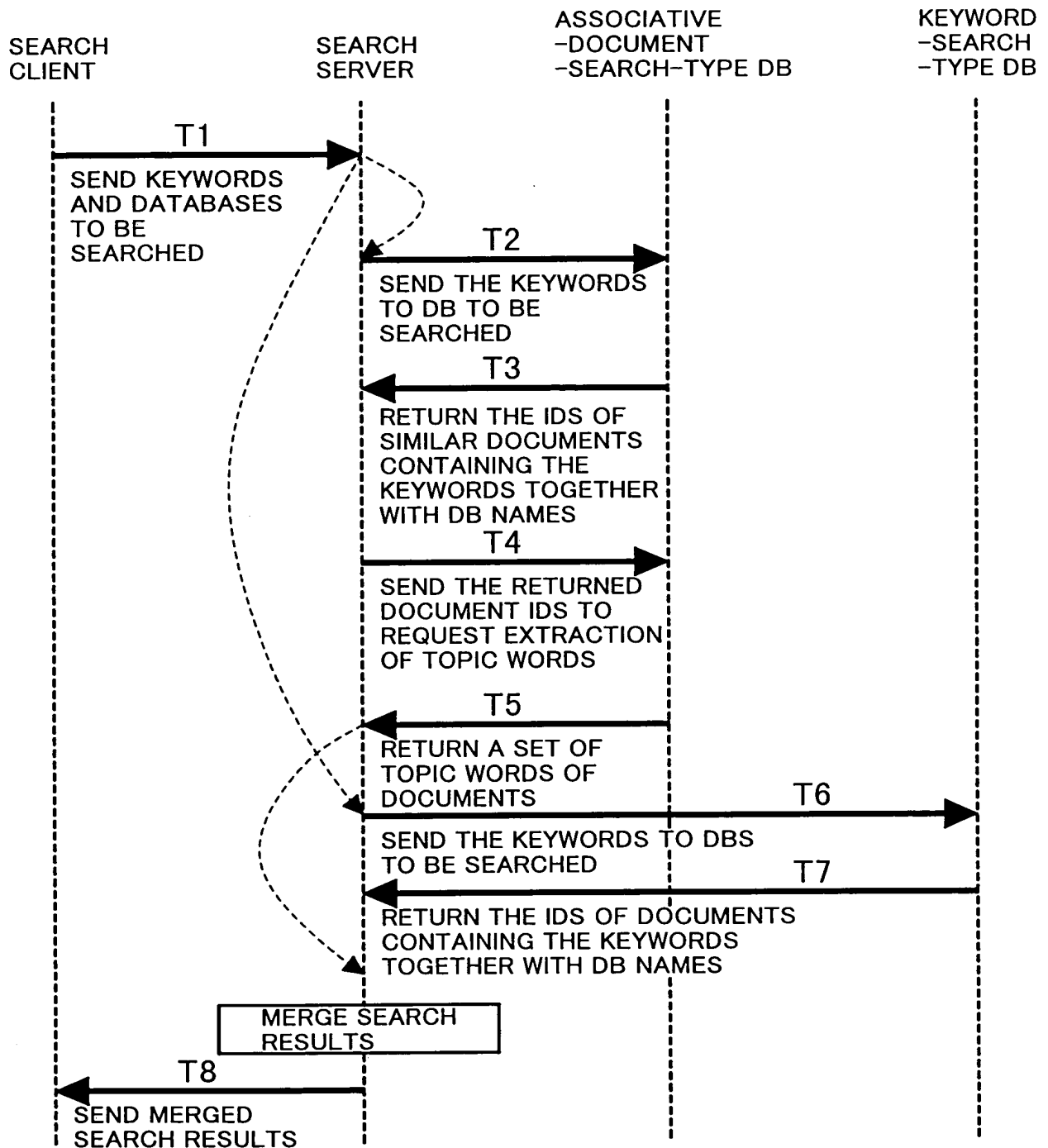


FIG. 4

FIG.5

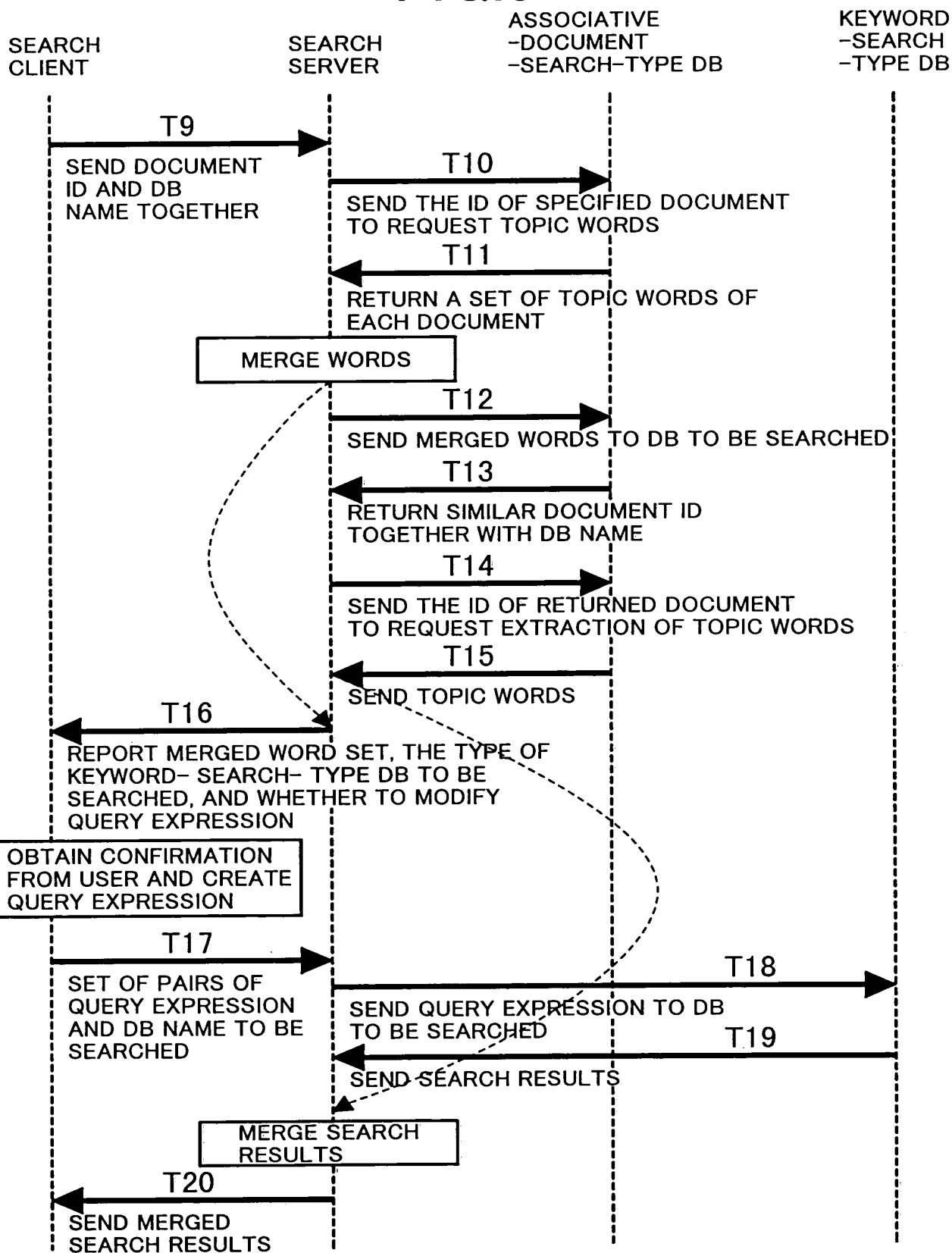


FIG.6

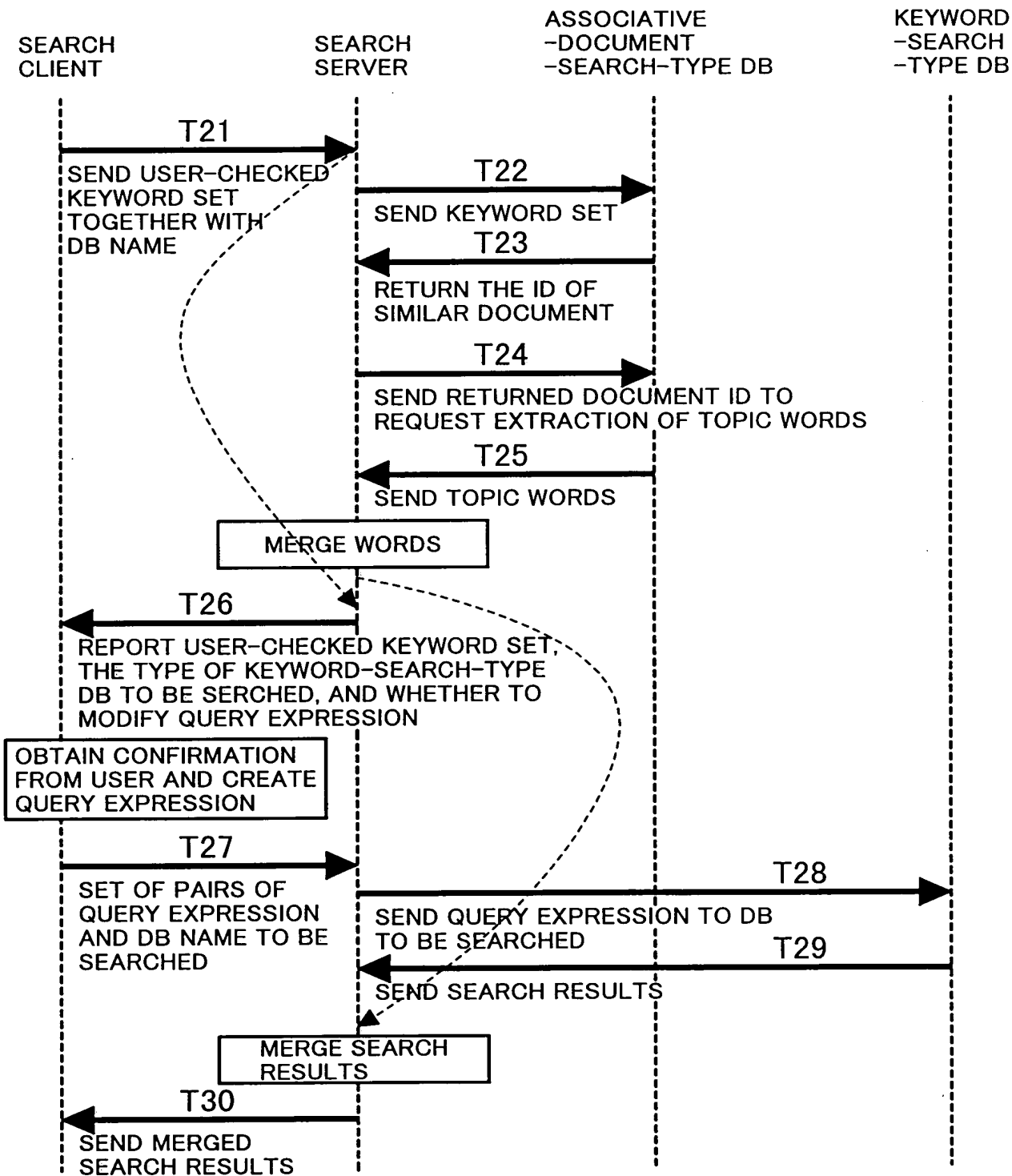


FIG.7

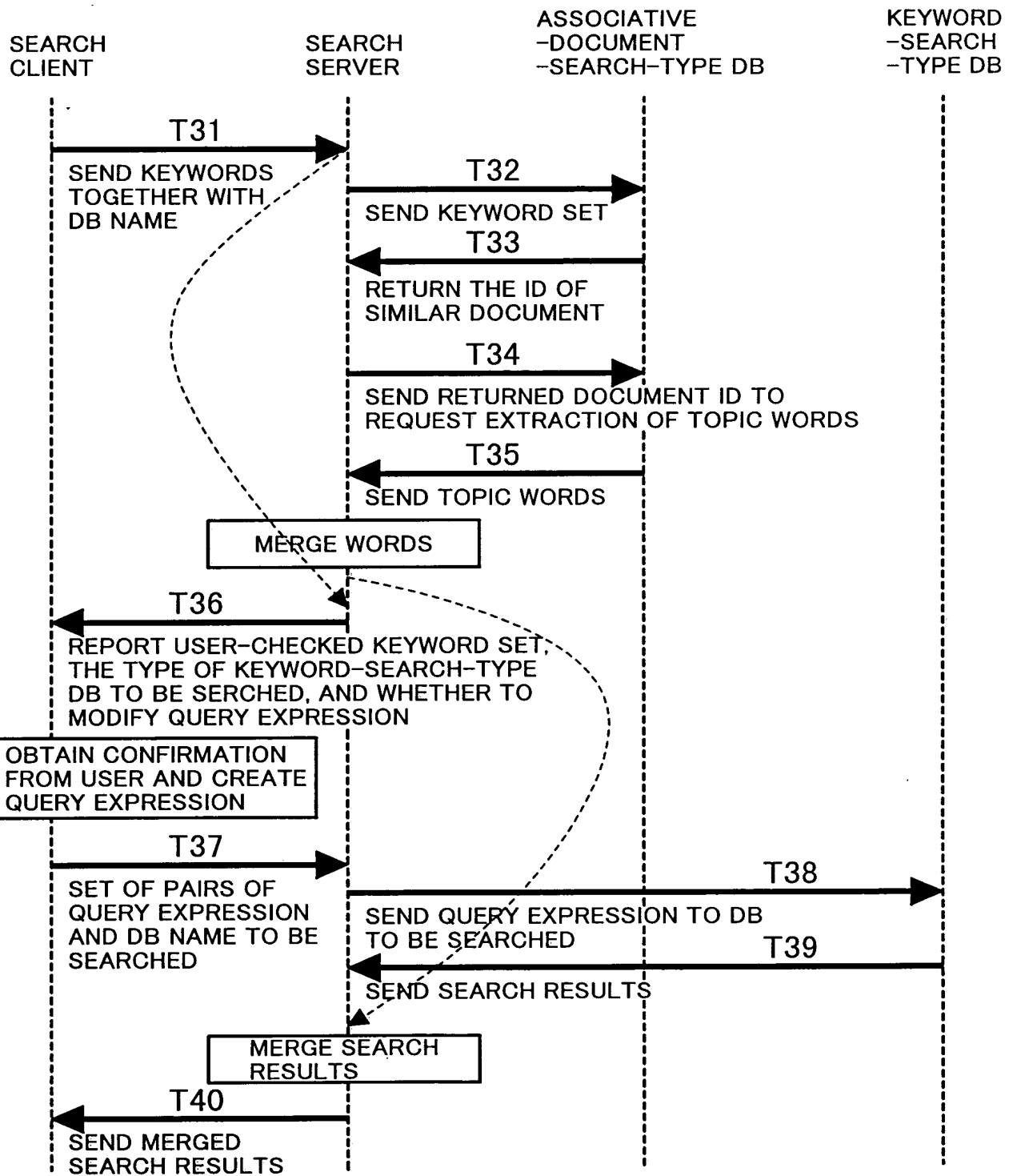


FIG.8

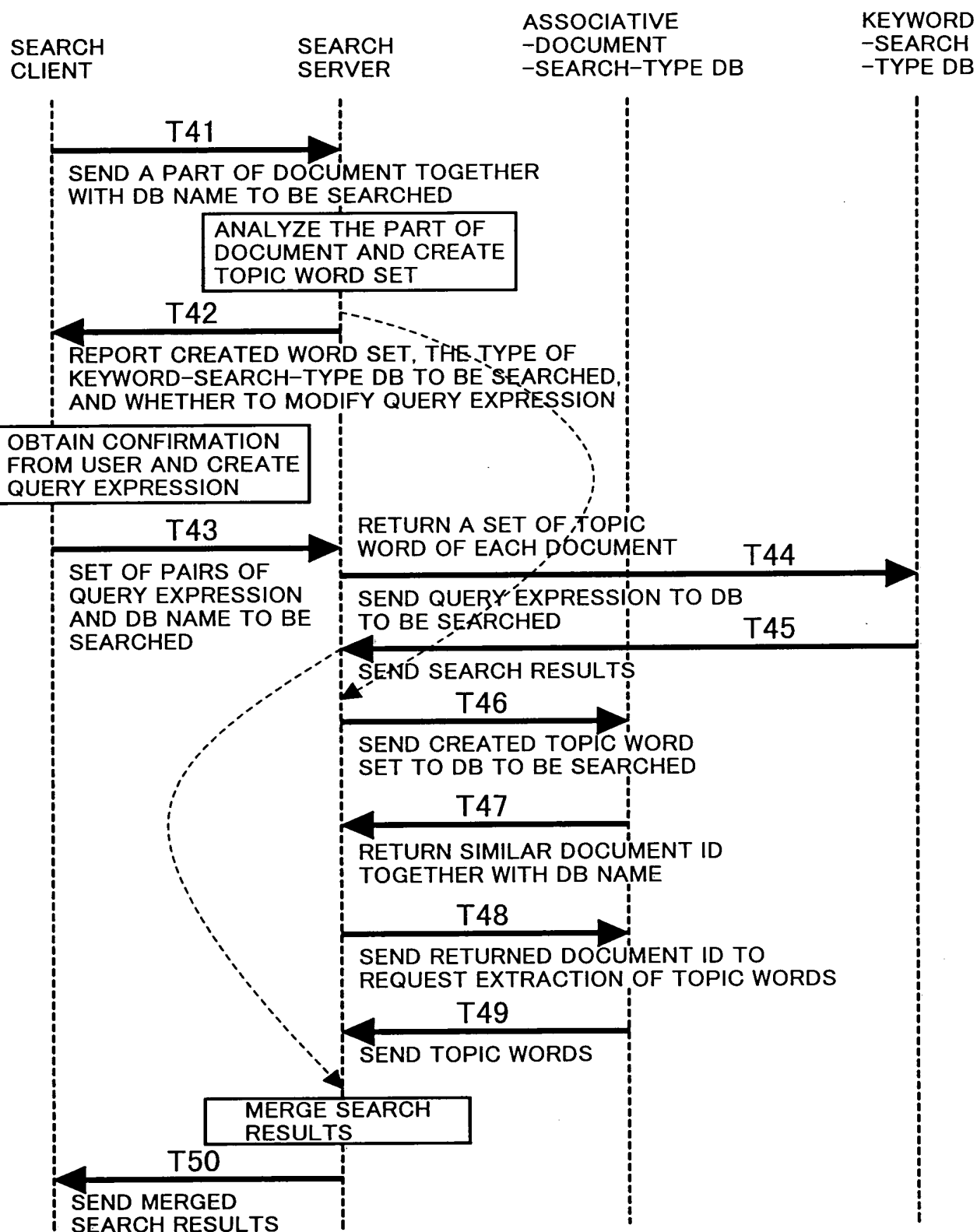


FIG.9

3

31 YOUR QUERY IS SENT TO KEYWORD-SEARCH-TYPE
DATABASES E AND F. YOU CAN CHANGE YOUR
BOOLEAN EXPRESSIONS.
PLEASE CLICK "CONTINUE" BUTTON

32 SEARCH ENGINE E - - - - AND SEARCH

3201 ☒ WORD1 ☒ WORD3 ☒ WORD7 ☒ WORD9 ☒ WORD10 3202

33 SEARCH ENGINE F - - - - OR SEARCH

3301 ☒ WORD1 ☒ WORD3 ☒ WORD7 ☒ WORD9 ☒ WORD10 3302

34 CONTINUE WITH AND 3304

35 ADVANCED SEARCH 3305

34 CONTINUE 35 HIDE THIS WINDOW

FIG.10

OPTION 1101

KEYWORD 1

KEYWORD SEARCH 1102

CLIPBOARD SEARCH 1103

HIDE

☒ A NEWSPAPER ASSOCIATIVE

☐ B ENCYCLOPEDIA ASSOCIATIVE

☒ C ARTICLE ASSOCIATIVE 1204

☐ D PATENT DATABASE ASSOCIATIVE

☒ E SEARCH ENGINE KEYWORD

☒ F SEARCH ENGINE KEYWORD

HIDE

DOCUMENT SEARCH 1306

HIDE

SEARCH USING TOPIC WORDS AS A QUERY 1405

12

13

14

FIG.11

OPTION

KEYWORD 1 KEYWORD SEARCH
CLIPBOARD SEARCH

HIDE

<input checked="" type="checkbox"/>	A NEWSPAPER	ASSOCIATIVE
<input type="checkbox"/>	B ENCYCLOPEDIA	ASSOCIATIVE
<input checked="" type="checkbox"/>	C ARTICLE	ASSOCIATIVE
<input type="checkbox"/>	D PATENT DATABASE	ASSOCIATIVE
<input checked="" type="checkbox"/>	E SEARCH ENGINE	KEYWORD
<input checked="" type="checkbox"/>	F SEARCH ENGINE	KEYWORD

HIDE

<input checked="" type="checkbox"/>	C ARTICLE : MATERIAL 1
<input checked="" type="checkbox"/>	A NEWSPAPER : MATERIAL 2
<input type="checkbox"/>	D PATENT DB : MATERIAL 3
<input type="checkbox"/>	E SEARCH ENGINE : MATERIAL 4
<input type="checkbox"/>	A NEWSPAPER : MATERIAL 5
<input type="checkbox"/>	F SEARCH ENGINE : MATERIAL 6

DOCUMENT SEARCH 1306

HIDE

☐WORD1 ☐WORD2 ☐WORD3 ☐WORD4 ☐WORD5

☐WORD6 ☐WORD7 ☐WORD8 ☐WORD9 ☐WORD10

SEARCH USING TOPIC WORDS AS A QUERY 1405

FIG. 11

FIG.12

OPTION

KEYWORD 1

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☒ A NEWSPAPER

ASSOCIATIVE

☐ B ENCYCLOPEDIA

ASSOCIATIVE

☒ C ARTICLE

ASSOCIATIVE

☐ D PATENT DATABASE

ASSOCIATIVE

☒ E SEARCH ENGINE

KEYWORD

☒ F SEARCH ENGINE

KEYWORD

HIDE

☒ C ARTICLE : MATERIAL 1

☒ A NEWSPAPER : MATERIAL 2

☐ D PATENT DB : MATERIAL 3

☐ E SEARCH ENGINE : MATERIAL 4

☐ A NEWSPAPER : MATERIAL 5

☐ F SEARCH ENGINE : MATERIAL 6

DOCUMENT SEARCH

201

DISPLAYING TOPIC WORDS

FIG.13

OPTION

KEYWORD 1 KEYWORD SEARCH
CLIPBOARD SEARCH

HIDE

☒ A NEWSPAPER ASSOCIATIVE

☐ B ENCYCLOPEDIA ASSOCIATIVE

☒ C ARTICLE ASSOCIATIVE

☐ D PATENT DATABASE ASSOCIATIVE

☒ E SEARCH ENGINE KEYWORD

☒ F SEARCH ENGINE KEYWORD

202 DOCUMENT BROWSING

HIDE

☒ WORD1 ☐ WORD2 ☐ WORD3 ☐ WORD4 ☐ WORD5
☐ WORD6 ☒ WORD7 ☐ WORD8 ☒ WORD9 ☐ WORD10

SEARCH FROM
TOPIC WORDS

FIG.14

12

OPTION

KEYWORD 1

KEYWORD SEARCH

CLIPBOARD SEARCH

DB SELECTION

HIDE

☒ C ARTICLE : MATERIAL 1
☒ A NEWSPAPER : MATERIAL 2
☐ D PATENT DB : MATERIAL 3
☐ E SEARCH ENGINE : MATERIAL 4
☐ A NEWSPAPER : MATERIAL 5
☐ F SEARCH ENGINE : MATERIAL 6

ASSOCIATIVE DOCUMENT SEARCH

HIDE

☐ WORD1 ☐ WORD2 ☐ WORD3 ☐ WORD4 ☐ WORD5
☐ WORD6 ☐ WORD7 ☐ WORD8 ☐ WORD9 ☐ WORD10

SEARCH FROM TOPIC WORDS

FIG. 14 "SEARCH" SCREEN

FIG.15

OPTION 1101

11 KEYWORD 1 KEYWORD SEARCH
CLIPBOARD SEARCH

12

HIDE

☐ A NEWSPAPER ASSOCIATIVE

☐ B ENCYCLOPEDIA ASSOCIATIVE

☐ C ARTICLE ASSOCIATIVE

☐ D PATENT DATABASE ASSOCIATIVE

☒ E SEARCH ENGINE KEYWORD

☒ F SEARCH ENGINE KEYWORD

13

HIDE

☐ E SEARCH ENGINE : MATERIAL 1

☐ E SEARCH ENGINE : MATERIAL 1

☐ F SEARCH ENGINE : MATERIAL 1

☐ E SEARCH ENGINE : MATERIAL 1

☐ E SEARCH ENGINE : MATERIAL 1

☐ F SEARCH ENGINE : MATERIAL 1

DOCUMENT SEARCH 1306

14

HIDE

SEARCH USING TOPIC WORDS AS A QUERY 1405

FIG.16

OPTION

KEYWORD 1 KEYWORD SEARCH
CLIPBOARD SEARCH 1104

HIDE

☐ A NEWSPAPER ASSOCIATIVE

☒ B ENCYCLOPEDIA ASSOCIATIVE

☐ C ARTICLE ASSOCIATIVE

☐ D PATENT DATABASE ASSOCIATIVE

☒ E SEARCH ENGINE KEYWORD

☒ F SEARCH ENGINE KEYWORD

HIDE

☐ E SEARCH ENGINE : MATERIAL 1

☐ E SEARCH ENGINE : MATERIAL 1

☐ F SEARCH ENGINE : MATERIAL 1

☐ E SEARCH ENGINE : MATERIAL 1

☐ E SEARCH ENGINE : MATERIAL 1

☐ F SEARCH ENGINE : MATERIAL 1

DOCUMENT SEARCH

HIDE

SEARCH USING TOPIC
WORDS AS A QUERY

12

FIG. 16

FIG.17

OPTION 1101

ALZHEIMER 1102

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☒ A NEWSPAPER ASSOCIATIVE

☐ B ENCYCLOPEDIA ASSOCIATIVE

☒ C ARTICLE ASSOCIATIVE

☒ D PATENT DATABASE ASSOCIATIVE

☒ E SEARCH ENGINE KEYWORD

☒ F SEARCH ENGINE KEYWORD

HIDE

DOCUMENT SEARCH 1306

HIDE

SEARCH USING TOPIC WORDS AS A QUERY 1405

13

14

FIG.18

OPTION

ALZHEIMER

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☒ A NEWSPAPER

ASSOCIATIVE

☐ B ENCYCLOPEDIA

ASSOCIATIVE

☒ C ARTICLE

ASSOCIATIVE

☒ D PATENT DATABASE

ASSOCIATIVE

☒ E SEARCH ENGINE

KEYWORD

☒ F SEARCH ENGINE

KEYWORD

HIDE

☐ C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer
☐ A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease
☐ D PATENT DB : OOOOOOOOO amyloid synthesis inhibitor
☐ E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme
☐ A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)
☐ F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer

DOCUMENT SEARCH

HIDE

☐ amyloid- β ☐ alzheimer ☐ APP ☐ enzyme ☐ BACE
☐ β -secretase ☐ γ -secretase ☐ NSAIDs ☐ Amgen ☐ presenilin

SEARCH USING TOPIC WORDS AS A QUERY

FIG. 18 is a screenshot of a search engine interface.

13

14

FIG. 19

OPTION																			
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">ALZHEIMER</div>	<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">KEYWORD SEARCH</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">CLIPBOARD SEARCH</div>																		
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">HIDE</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;"><input type="checkbox"/></td> <td style="width: 60%;">A NEWSPAPER</td> <td style="width: 35%; text-align: right; border: 1px solid black; padding: 2px;">ASSOCIATIVE</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>B ENCYCLOPEDIA</td> <td style="text-align: right; border: 1px solid black; padding: 2px;">ASSOCIATIVE</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>C ARTICLE</td> <td style="text-align: right; border: 1px solid black; padding: 2px;">ASSOCIATIVE</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>D PATENT DATABASE</td> <td style="text-align: right; border: 1px solid black; padding: 2px;">ASSOCIATIVE</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>E SEARCH ENGINE</td> <td style="text-align: right; border: 1px solid black; padding: 2px;">KEYWORD</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>F SEARCH ENGINE</td> <td style="text-align: right; border: 1px solid black; padding: 2px;">KEYWORD</td> </tr> </table>		<input type="checkbox"/>	A NEWSPAPER	ASSOCIATIVE	<input type="checkbox"/>	B ENCYCLOPEDIA	ASSOCIATIVE	<input type="checkbox"/>	C ARTICLE	ASSOCIATIVE	<input type="checkbox"/>	D PATENT DATABASE	ASSOCIATIVE	<input checked="" type="checkbox"/>	E SEARCH ENGINE	KEYWORD	<input checked="" type="checkbox"/>	F SEARCH ENGINE	KEYWORD
<input type="checkbox"/>	A NEWSPAPER	ASSOCIATIVE																	
<input type="checkbox"/>	B ENCYCLOPEDIA	ASSOCIATIVE																	
<input type="checkbox"/>	C ARTICLE	ASSOCIATIVE																	
<input type="checkbox"/>	D PATENT DATABASE	ASSOCIATIVE																	
<input checked="" type="checkbox"/>	E SEARCH ENGINE	KEYWORD																	
<input checked="" type="checkbox"/>	F SEARCH ENGINE	KEYWORD																	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">HIDE</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 95%;">C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>D PATENT DB : ○○○○○○○○○○ amyloid synthesis inhibitor</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>E SEARCH ENGINE : Alzheimers.com News Elusive Alzheimer's Enzyme</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer</td> </tr> </table>		<input checked="" type="checkbox"/>	C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer	<input type="checkbox"/>	A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease	<input type="checkbox"/>	D PATENT DB : ○○○○○○○○○○ amyloid synthesis inhibitor	<input type="checkbox"/>	E SEARCH ENGINE : Alzheimers.com News Elusive Alzheimer's Enzyme	<input type="checkbox"/>	A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)	<input type="checkbox"/>	F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer						
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<input type="checkbox"/>	A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)																		
<input type="checkbox"/>	F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer																		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">1306 DOCUMENT SEARCH</div>																			
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">HIDE</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><input type="checkbox"/> amyloid-β</td> <td style="width: 25%;"><input type="checkbox"/> alzheimer</td> <td style="width: 25%;"><input type="checkbox"/> APP</td> <td style="width: 25%;"><input type="checkbox"/> enzyme</td> <td style="width: 25%;"><input type="checkbox"/> BACE</td> </tr> <tr> <td><input type="checkbox"/> β-secretase</td> <td><input type="checkbox"/> γ-secretase</td> <td><input type="checkbox"/> NSAIDs</td> <td><input type="checkbox"/> Amgen</td> <td><input type="checkbox"/> presenilin</td> </tr> </table>		<input type="checkbox"/> amyloid- β	<input type="checkbox"/> alzheimer	<input type="checkbox"/> APP	<input type="checkbox"/> enzyme	<input type="checkbox"/> BACE	<input type="checkbox"/> β -secretase	<input type="checkbox"/> γ -secretase	<input type="checkbox"/> NSAIDs	<input type="checkbox"/> Amgen	<input type="checkbox"/> presenilin								
<input type="checkbox"/> amyloid- β	<input type="checkbox"/> alzheimer	<input type="checkbox"/> APP	<input type="checkbox"/> enzyme	<input type="checkbox"/> BACE															
<input type="checkbox"/> β -secretase	<input type="checkbox"/> γ -secretase	<input type="checkbox"/> NSAIDs	<input type="checkbox"/> Amgen	<input type="checkbox"/> presenilin															
<div style="border: 1px solid black; padding: 2px; display: inline-block;">SEARCH USING TOPIC WORDS AS A QUERY</div>																			

FIG.20

3

31 YOUR QUERY IS SENT TO KEYWORD-SEARCH-TYPE DATABASES E AND F. YOU CAN CHANGE YOUR BOOLEAN EXPRESSIONS. PLEASE CLICK "CONTINUE" BUTTON

32 SEARCH ENGINE E - - - - AND SEARCH

3201 ☐ β -secretase ☐ enzyme ☒ APP ☒ alzheimer ☐ BACE
☒ Transgenic mouse ☒ γ -secretase ☒ presenilin ☒ NSAIDs

33 SEARCH ENGINE F - - - - OR SEARCH

3301 ☒ β -secretase ☒ enzyme ☒ APP ☒ alzheimer ☒ BACE
☒ Transgenic mouse ☒ γ -secretase ☒ presenilin ☒ NSAIDs

CONTINUE WITH AND ADVANCED SEARCH

34 CONTINUE

35 HIDE THIS WINDOW

FIG.21

OPTION

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☐ A NEWSPAPER

ASSOCIATIVE

☐ B ENCYCLOPEDIA

ASSOCIATIVE

☐ C ARTICLE

ASSOCIATIVE

☐ D PATENT DATABASE

ASSOCIATIVE

☒ E SEARCH ENGINE

KEYWORD

☒ F SEARCH ENGINE

KEYWORD

HIDE

☒ E SEARCH ENGINE : Researchers find enzyme associated with Alzheimer's-

☒ E SEARCH ENGINE : Enzyme offers promise of Alzheimer..s drugs-Reference

☒ F SEARCH ENGINE : 99.10.22-Scientists find enzyme linked to Alzheimer's.

☒ E SEARCH ENGINE : Newsweek.com : Newsweek US Edition : Society : An Alz

☒ E SEARCH ENGINE : Alzheimer Web

☒ F SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme I den

1306

DOCUMENT SEARCH

HIDE

1405

SEARCH USING TOPIC WORDS AS A QUERY

FIG. 21

14

FIG.22

OPTION

ALZHEIMER

KEYWORD SEARCH
CLIPBOARD SEARCH

HIDE

☐ A NEWSPAPER ASSOCIATIVE

☐ B ENCYCLOPEDIA ASSOCIATIVE

☐ C ARTICLE ASSOCIATIVE

☐ D PATENT DATABASE ASSOCIATIVE

☒ E SEARCH ENGINE KEYWORD

☒ F SEARCH ENGINE KEYWORD

HIDE

☐ C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer

☐ A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease

☐ D PATENT DB : OOOOOOOOO amyloid synthesis inhibitor

☐ E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme

☐ A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)

☐ F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer

DOCUMENT SEARCH

HIDE

☐ amyloid- β ☒ alzheimer ☒ APP ☐ enzyme ☒ BACE

☒ β -secretase ☐ γ -secretase ☐ NSAIDs ☐ Amgen ☐ presenilin

1405 SEARCH USING TOPIC WORDS AS A QUERY

FIG.23

3

31 YOUR QUERY IS SENT TO KEYWORD-SEARCH-TYPE DATABASES E AND F. YOU CAN CHANGE YOUR BOOLEAN EXPRESSIONS. PLEASE CLICK "CONTINUE" BUTTON

32 SEARCH ENGINE E - - - - AND SEARCH

3201 ☒ β -secretase ☒ APP ☒ alzheimer ☒ BACE

33 SEARCH ENGINE F - - - - OR SEARCH

3301 ☒ β -secretase ☒ APP ☒ alzheimer ☒ BACE

CONTINUE WITH AND ADVANCED SEARCH

34 CONTINUE

35 HIDE THIS WINDOW

FIG.24

OPTION

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☐ A NEWSPAPER

ASSOCIATIVE

☐ B ENCYCLOPEDIA

ASSOCIATIVE

☐ C ARTICLE

ASSOCIATIVE

☐ D PATENT DATABASE

ASSOCIATIVE

☒ E SEARCH ENGINE

KEYWORD

☒ F SEARCH ENGINE

KEYWORD

HIDE

☒ F SEARCH ENGINE : 99.10.22-Scientists find enzyme linked to Alzheimer's.

☒ E SEARCH ENGINE : Researchers find enzyme associated with Alzheimer's-

☒ E SEARCH ENGINE : Enzyme offers promise of Alzheimer's drugs-Reference

☒ E SEARCH ENGINE : Enzyme Points Way to Alzheimer's Therapies. Researcher

☒ E SEARCH ENGINE : Alzheimer Web

☒ F SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme I den

1306 DOCUMENT SEARCH

HIDE

1405 SEARCH USING TOPIC WORDS AS A QUERY

14

FIG.25

OPTION

ALZHEIMER

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☐ A NEWSPAPER

☒ B ENCYCLOPEDIA

☒ C ARTICLE

☐ D PATENT DATABASE

☐ E SEARCH ENGINE

☐ F SEARCH ENGINE

ASSOCIATIVE

ASSOCIATIVE

ASSOCIATIVE

ASSOCIATIVE

KEYWORD

KEYWORD

HIDE

☒ C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer

☐ A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease

☒ D PATENT DB : OOOOOOOO amyloid synthesis inhibitor

☐ E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme

☐ A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)

☐ F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer

DOCUMENT SEARCH

HIDE

☐ amyloid- β

☐ alzheimer

☐ APP

☐ enzyme

☐ BACE

☐ β -secretase

☐ γ -secretase

☐ NSAIDs

☐ Amgen

☐ presenilin

SEARCH USING TOPIC WORDS AS A QUERY

FIG. 25

12

1303

13

1306

FIG.26

OPTION

KEYWORD SEARCH
CLIPBOARD SEARCH

HIDE

<input type="checkbox"/>	A NEWSPAPER	ASSOCIATIVE
<input checked="" type="checkbox"/>	B ENCYCLOPEDIA	ASSOCIATIVE
<input checked="" type="checkbox"/>	C ARTICLE	ASSOCIATIVE
<input type="checkbox"/>	D PATENT DATABASE	ASSOCIATIVE
<input type="checkbox"/>	E SEARCH ENGINE	KEYWORD
<input type="checkbox"/>	F SEARCH ENGINE	KEYWORD

HIDE

13

<input checked="" type="checkbox"/>	C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer
<input checked="" type="checkbox"/>	B ENCYCLOPEDIA : Alzheimer's disease
<input checked="" type="checkbox"/>	B ENCYCLOPEDIA : aging : [aging mechanism]
<input checked="" type="checkbox"/>	C ARTICLE : bbbbbb : Purification and cloning of amyloid precursor protein
<input checked="" type="checkbox"/>	C ARTICLE : ccccc : A second cytotoxic proteolytic peptide derived from
<input checked="" type="checkbox"/>	C ARTICLE : ddddd : Nicastrin modulates presenilin-mediated notch/glp-1

DOCUMENT SEARCH

HIDE

14

<input type="checkbox"/> alzheimer	<input type="checkbox"/> enzyme	<input type="checkbox"/> APP	<input type="checkbox"/> β -secretase	<input type="checkbox"/> notch/glp-1
<input type="checkbox"/> Transgenic mouse	<input type="checkbox"/> BACE	<input type="checkbox"/> precursor	<input type="checkbox"/> presenilin	

SEARCH USING TOPIC WORDS AS A QUERY

FIG.27

OPTION

ALZHEIMER

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☐ A NEWSPAPER

ASSOCIATIVE

☒ B ENCYCLOPEDIA

ASSOCIATIVE

☒ C ARTICLE

ASSOCIATIVE

☐ D PATENT DATABASE

ASSOCIATIVE

☐ E SEARCH ENGINE

KEYWORD

☐ F SEARCH ENGINE

KEYWORD

HIDE

☒ C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer
☒ A NEWSPAPER : mmmmm : enzyme which is considered as a trigger of Alzheimer's disease
☒ D PATENT DB : ○○○○○○○○ amyloid synthesis inhibitor
☒ E SEARCH ENGINE : Alzheimers.com News | Elusive Alzheimer's Enzyme
☒ A NEWSPAPER : ppppp : American bioventure companies (Amgen Inc.,etc)
☒ F SEARCH ENGINE : 1.Researchers find enzyme associated with Alzheimer

DOCUMENT SEARCH

HIDE

☒ amyloid- β ☒ alzheimer ☒ APP ☐ enzyme ☒ BACE
☐ β -secretase ☐ γ -secretase ☐ NSAIDs ☐ Amgen ☐ presenilin

SEARCH USING TOPIC WORDS AS A QUERY

FIG.28

OPTION

KEYWORD SEARCH

CLIPBOARD SEARCH

HIDE

☐ A NEWSPAPER

☒ B ENCYCLOPEDIA

☒ C ARTICLE

☐ D PATENT DATABASE

☐ E SEARCH ENGINE

☐ F SEARCH ENGINE

ASSOCIATIVE

ASSOCIATIVE

ASSOCIATIVE

ASSOCIATIVE

KEYWORD

KEYWORD

HIDE

☐ C ARTICLE : bbbbb : Purification and cloning of amyloid precursor protein

☐ C ARTICLE : eeeee : ibuprofen, inflammation and Alzheimer disease.

☐ B ENCYCLOPEDIA : Alzheimer's disease

☐ C ARTICLE : nnnnn : Membrane-anchored aspartyl protease with Alzheimer

☐ C ARTICLE : ddddd : Nicastrin modulates presenilin-mediated notch/glp-1

☐ B ENCYCLOPEDIA : aging : [aging mechanism]

DOCUMENT SEARCH

HIDE

☐ amyloid

☐ alzheimer

☐ BACE

☐ β -secretase

☐ notch/glp-1

☐ Presenilin-mediated

☐ APP

☐ beta-APP

☐ precursor

SEARCH USING TOPIC WORDS AS A QUERY

FIG. 28

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